Correction for "Connect The Dots: How Many Random Points Can A Regular Curve Pass Through?"

E. Arias-Castro, D. L. Donoho, X. Huo and C. A. Tovey

- In Section 5.2, we state that

$$\text{Median}(N_n) \sim 2\sqrt{n},$$

  while the correct statement should be

$$\text{Median}(N_n) \sim \sqrt{2n}.$$

- In Section 5.3, Figure 11 misstates the computational experiment that was performed. The experiment used the class of Lipschitz graphs with Lipschitz constant 2. However, the paper erroneously stated that the experiment used the class of Lipschitz graphs with constant 1. In other words, in the experiment we computed $N_n(\text{LipGr}_2)/\sqrt{n}$ instead of $N_n(\text{LipGr}_1)/\sqrt{n}$ as stated in both the caption of Figure 11 and the comments in Section 5.3.

  In the following figure we computed $N_n(\text{LipGr}_1)/\sqrt{n}$, and we immediately notice that, indeed, it converges to $\sqrt{2}$.

1